



09-Mar-10

**Detailed Estimate for Grade Crossing Warning Devices**

City/State: FAIRFIELD, IL

Road: TR-490

MilePost: 120.85-W

DOT/AAR: 724713J

State Proj. No.:

County: WAYNE

S&amp;E Proj. No.: 04.0203

AFE: F11663

Man Days: 124

File Number:

***Purchases - Others***		
Meals and Lodging:	\$16,665.60	
Rental of Equipment:	\$29,512.00	
(2 Trucks, 1 Backhoe w/ Trailer and 1 Pipe-Pusher for 31 Days)		
Construction Supervision Vehicle:	\$10,301.42	
Purchases - Other Total:		\$56,479.02
***Material And Additives***		
Material Cost:	\$157,628.00	
Sales and Use Tax:	\$7,881.00	
Material Handling Freight:	\$7,881.41	
Material Total:		\$173,390.41
***Labor And Additives***		
Labor Cost:	\$34,720.00	
(4 man crew at \$1,120.00 a day for: 31 days)		
Payroll Tax & Overheads:	\$46,122.05	
Preliminary Engineering:	\$16,926.64	
Construction Supervision:	\$19,450.14	
Labor Total:		\$117,218.83
	Project Cost:	\$347,088.26
	Scrap / Salvage Credit:	\$0.00
	Project Total:	\$347,088.26

Estimated on: 09-Mar-10

Estimated by: ndr3j

**Estimate valid for 1 year from date of estimate**



## Norfolk Southern Railway



### Highway Crossing Signalization Program - Material List

Do not substitute items without permission from S & E Engineering

City:	FAIRFIELD
Road:	TR-490
Mile Post:	120.85-W
Drawing Number:	SE0148P
State Project Number:	
County:	WAYNE
A A R Number:	724713J
Project Number:	04.0203
File Number:	
New File Number:	CX0122942
A F E Number:	F11663
Store Number:	08625
Supervisor:	C. PRATS
Tax Code:	
Vendor to supply the following copies after pricing:  1 Set - Material Management with original Invoice 2 Sets - with plans shipped in car with material 1 Set - S&E Gen. Supt. Construction w/copy of invoice	

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed			Quantity Returned (Credit)	Special Instructions
3	670-360693-4	EA	\$5.47	\$16.41	AAR/DOT NUMBER PLATE/DECAL, ORDER 3 PER PROJECT. 60 DAY LEAD TIME. SUPPLIED BY STRAN.						
1	165-006505-4	EA	\$1,051.54	\$1,051.54	AC SERVICE, COMPLETE LESS METER BASE, ASSEMBLED ON 30' POLE						
13	105-288384-4	EA	\$264.40	\$3,437.20	BATTERY,GNB 368AH MODEL 50G15 SINGLE CELL 2.25 VOLTS, FOR USE WITH CROSSINGS DESIGNED AFTER 09/09						
15	001-000011-4	EA	\$5,000.00	\$75,000.00	BERM WALL						
2	670-980689-4	EA	\$81.48	\$162.96	BRACKET HIGH WIND, (RIGID 3'), WIG- 191036, WALRUS TUSK TYPE						
2	670-561375-4	EA	\$1,197.90	\$2,395.80	BRACKET, GATE SAVER, NEG385102GS, SPRING LOADED SWING AWAY ADAPTER FOR FIBERGLASS/ALUMINUM GATES, USE WITH GATE 38' AND LESS						
1	670-356949-4	EA	\$58.89	\$58.89	CABLE, 10' GENERATOR HOOK UP, SERRMI P/N 40524. FEMALE CONNECTOR						
300	465-939422-4	LF	\$2.68	\$804.00	CABLE, UG 12 CONDUCTOR NO 14 AWG SOLID EACH CONDUCTOR WITH 5/64 IN INSULATION 10 MIL						
300	465-292862-4	LF	\$1.23	\$369.00	CABLE, UG 2-6 TWISTED, S-23 OKONITE 113-12-3933 SOLID TINNED CONDUCTOR						
300	465-292929-4	LF	\$3.73	\$1,119.00	CABLE, UG 5 COND. NO. 6 AWG SOLID COPPER CABLE TO MEET NS CORP. SPEC. FOR SIGNAL						
300	465-791835-4	FT	\$3.23	\$969.00	CABLE, UG AC ENTRANCE 3C#6-7X OKONITE FMPF-L 094-078 TR W/G 1 X 8 7X W010 BRZ TAPE 600V PRODUCT CODE 206-11-6070						
80	165-544477-4	FT	\$3.41	\$272.80	CONDUIT, 4"x10' PVC, SCHEDULE 80 BELL CONNECTOR AT ONE END, 1/2 PT. GLUE IN KIT 670-123298-4						
2	670-664917-4	EA	\$61.53	\$123.06	CONNECTOR KIT, WELDED FAR RAIL, CONSISTING OF RUBBER HOSE PROPERLY DRILLED, BONDSTRAND, 1 SPLICING SLEEVE, 1 REDUCING SLEEVE, 3 CLAMPS, 1 TRACK CLIP, 1 WEB WELDED TRACK CONNECTOR, 1 WELD METAL, SAFETRAN 111359-2X						

Location: FAIRFIELD

IL

S&amp;E Proj. No.: 04.0203

AFE No.: F11663

Drawing No.: SE0148P

Store No.: 08625

P.O.Number:

Date Required:

Date Shipped:

Vendor: Safetran Systems Corp.

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed			Quantity Returned (Credit)	Special Instructions
2	670-632520-4	EA	\$51.89	\$103.78	CONNECTOR KIT, WELDED NEAR RAIL, CONSISTING OF, RUBBER HOSE PROPERLY DRILLED, BONDSTRAND, SPLICING SLEEVE, 1 REDUCING SLEEVE, 5 CLAMPS, 1 TRACK CLIP, 1 WEB WELDED TRACK CONNECTOR, 1 WELD METAL, SAFETAN 111359-1X						
2	670-793404-4	EA	\$1,224.97	\$2,449.94	COUNTERWEIGHT PKAGE, 17-24'GATE S'TRAN S- MECH ONLY, STAINLESS, TO INCLUDE HUB, SUPPORT ARMS						
4	670-760012-4	EA	\$40.02	\$160.08	COVER, FOR 1 WAY FLASHING LIGHT ASSY. 18 OZ. BLACK VINYL COATED NYLON. ===TO COVER 2 LAMPS===						
1	670-986650-4	EA	\$350.12	\$350.12	DISPOSAL, CONSTRUCTION DEBRIS AND CLEANING X'ING EQUIPMENT CONTAINER						
1	670-000004-4	EA	\$700.00	\$700.00	FCC LICENSE FOR MONITOR/RADIO						
10	670-000003-4	EA	\$255.85	\$2,558.50	FILL/STONE #57, QUANTITY IS BASED ON TRUCK LOAD PLUS DELIVERY COST						
2	670-015231-4	EA	\$577.50	\$1,155.00	FOUNDATION, DIXIE,S-2 GATE 2'6"X2'6"X5'6" ASSEMBLED						
2	670-257031-4	EA	\$339.19	\$678.38	GATE, ARM FIBERGLASS-ALUMINUM 17-24 FT., INCLUDES GATE GUARD FOR GATE LIGHT CABLE, NEG P/N 8002-244NFS/CG						
1	670-675667-4	EA	\$31,985.09	\$31,985.09	GCP 4000 1 TRK, REDUNDANT, (2TRK CHASSIS), WIRED RACK EQUIPMENT FOR 6X8 FARADAY, 2 EA SSCCIII, 2 EA 40 AMP CRAIG CHARGER, WITH SEAR III, SAFETAN 003131-1X						
1	670-477991-4	EA	\$317.90	\$317.90	KIT, GROUNDING ASSY FOR AL I/S INCLUDES 8 GRD RDS,200'4WIRE,12 4 WIRE ONE-SHOTS. ERICO SBK206						
1	670-123298-4	EA	\$312.40	\$312.40	KIT, HARDWARE SUPPLIES REQUIRED X'ING P'CKAGES. WEB CONNECTORS FOR SHUNT(8EA) TAPE, AMPS,P'GUM PAINT,SLEEVES,TAGS,GLUE, 100 EA WHITE TAGS, )NE CAN BLUE MARKING PAINT ETC...						
2	670-764166-4	EA	\$1,264.53	\$2,529.06	LAMP ASSY, 5" MAST MTG. 2W IND. 20" BKGRD, FLX-12 W/BULB S'TRAN #042003-487XNS						
6	165-643547-4	EA	\$6.12	\$36.72	LAMP, 18 WATT 10 VOLT S-11 SC BAY 18S11/1SC CLEAR RWY SIGNAL UJ-71463 GE						
4	255-590880-4	EA	\$17.08	\$68.32	LOCK, AMERICAN LOCK MODEL H-10KA KEYED ALIKE TO PRIVATE KEYWAY D456 AND STAMPED "NS SIG"						

APPROVED BY STATE

APPROVED BY RAILROAD

CAR NUMBER

SEAL NUMBER

Location: FAIRFIELD

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AFE No.: F11663

Drawing No.: SE0148P

Store No.: 08625

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2	670-637778-4	EA	\$1,023.40	\$2,046.80	MAST, 5" ALUMINUM 13'10" WITH DOUBLE JCT. BOX BASE. S'TRAN P# 070519-11AX.						
2	670-850933-4	EA	\$4,106.50	\$8,213.00	MECHANISM, GATE MODEL S-60, WITH DEFROSTER AND MINI TRACKSIDE SENSOR S'TRAN # 0740007-X002B3						
5	670-000001-4	EA	\$726.23	\$3,631.15	MISC. EXPENSE, MATERAIL/FILL						
4	670-001347-4	EA	\$45.57	\$182.28	PACKAGE, HARDWARE SIGN 5 IN. MOUNTING, SERRMI A1250-5, HARMON @200965-000, OR						
1	255-646807-4	EA	\$16.71	\$16.71	PADLOCK, SAFETRAN PART NO. 030399-29X SCREW TYPE FOR CIR CONTROLLER AND BTY. BOX						
1	670-514605-4	EA	\$11.40	\$11.40	PINNACLE, W-C SECT 1-11, 4" & 5" REF K1 110-8 OR SAFETRAN NO. @035045-503X						
1	165-902002-4	EA	\$308.00	\$308.00	PROTECTOR, SURGE 120/240VAC, ERICO P/N EPD120/240TDFL						
4	465-002899-4	EA	\$36.06	\$144.24	REEL, CABLE DISPOSABLE FOR CROSSING SIGNAL PACKAGES						
2	435-805560-4	EA	\$2.75	\$5.50	SAND, 25LB BAG FOR CABLE ENTRANCE INTO THE SHELTER						
1	670-027556-4	EA	\$2,699.59	\$2,699.59	SEARIII, ACCESSORY PACKAGE, W/2-ILOD, 1-E-BELL, 2-GTS, 1-GFT, 1-VHFC, WITHOUT MTSS/SEAR UNIT						
1	670-749325-4	EA	\$226.97	\$226.97	SHELF, FOLDING, FOR LAPTOP USE IN FARADAY 6X8 SHELTER, SAFETRAN 052852-128X						
1	670-755523-4	EA	\$9,325.16	\$9,325.16	SHELTER, 6'X8' ALUMN FARADAY W/CABLE CHUTES BEHIND TERMINAL BOARD, W/1EA EQUIPMENT RACK, W/GEN RECEPTICAL, BREAKER BOX GFI OUTLET FOR LAPTOP SHELF SAFETRAN 058400-68-85						
2	670-586967-4	EA	\$42.98	\$85.96	SHUNT COVER W/LAG SCREWS, 19"X19", SERRMI #40271, ORDER 1 PER SHUNT						
2	670-645460-4	EA	\$605.99	\$1,211.98	SHUNT, MULTI-FREQ. #62775-8621 SAFETRAN NARROW BAND						
2	670-393331-4	EA	\$37.43	\$74.86	SIGN CROSSING MALFUNCTION ASSEMBLY FOR 4" AND 5" MAST, SAFETRAN #T17215						
2	670-806648-4	EA	\$73.43	\$146.86	SIGN, X-BUCK, LESS HARDWARE, SAFETRAN 035200-X CR 02-490546						
2	670-751511-4	EA	\$38.23	\$76.46	SIGN, "1" TRACK, LESS HARDWARE SAFETRAN# 035207-1X						

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							Date Quan.	Date Quan.	Date Quan.		
2	670-006438-4	EA	\$10.30	\$20.60	TAPE, 4" X 96" REFLECTIVE APPLY TO BACK OF X-BUCK SIGN. ONLY IN IA., IN., IL., AL. 035200-555X						
1	670-330382-4	RL	\$15.68	\$15.68	TAPE, THOR 3" DURATEC, ORANGE 1000' LENGTHS. "WARNING STOP DIGGING"						

Total Material: \$157,628.15